

Amendments to the Claims:

The following listing of claims replaces all previous listing of claims for this application.

Listing of Claims:

Claims 1-17 (canceled)

18. (Currently amended) An electric drive unit (1), in particular for drives in a motor vehicle, comprising

an electric motor (15), having a rotor (20) with a shaft (28) and a pole housing (10),

said pole housing (10) including an end shield (43), a motor bearing (45) for the rotor (20), and at least one magnet (32) and a **pole piece** ~~short-circuit element~~ (36), and

a one- or multi-part gear housing (5), connected to said pole housing (10),

said pole housing (10) being in one piece with at least one part of said gear housing (5).

19. (Previously presented) The electric drive unit of claim 43, wherein

the pole housing (10) is formed at least partly of plastic.

20. (Previously presented) The electric drive unit of claim 43, wherein

the at least one magnet (32) is at least partly surrounded by the material of the pole housing (10).

21. (Currently amended) The electric drive unit of claim 43, wherein

the pole piece ~~short-circuit element~~ (36) forming a short circuit for the at least one magnet (32) is at least partly surrounded by the material of the pole housing (10).

22. (Canceled)

23. (Canceled) .

24. (Currently amended) An electric drive unit (1), in particular for drives in a motor vehicle, comprising

an electric motor (15), having a rotor (20) with a shaft (28) and a pole housing (10),

said pole housing (10) including an end shield (43), a motor bearing (45) for the rotor (20), and at least one magnet (32) and a pole piece ~~short-circuit element~~ (36), and

a gear housing (5), connected to said pole housing (10),

said pole housing (10) being formed as one piece with at least one part of said gear housing (5), wherein

the pole piece ~~short-circuit element~~ (36), comprising a mixture of plastic and magnetically conducted material, is at least partly surrounded by the material of the pole housing (10).

25. (Currently amended) The electric drive unit of claim 21, wherein

the pole piece ~~short-circuit element~~ (36) has a protrusion (65), which is surrounded by ~~the plastic~~ which comprises ~~comprising~~ the pole housing (10).

26. (Currently amended) The electric drive unit of claim 43, wherein

the at least one magnet (32) has a protrusion (60) that is surrounded by ~~the~~ plastic **which comprises** ~~comprising~~ the pole housing (10).

27. (Currently amended) The electric drive unit of claim 43, wherein

in the pole housing (10), the at least one magnet (32) is secured in place by engagement against a shoulder formed in ~~the~~ plastic **which comprises** ~~of~~ the pole housing (10) and by engagement with the **pole piece** ~~short-circuit element~~ (36) located radially outward.

28. (Currently amended) The electric drive unit of claim 43, wherein

in the pole housing (10), the **pole piece** ~~short-circuit element~~ (36) is secured by engagement against a shoulder formed in ~~the~~ plastic **which comprises** ~~of~~ the pole housing (10) and by engagement with the radially inner magnet (32).

29. (Previously presented) The electric drive unit of claim 43, wherein

the end shield (43) is embodied in one piece with the motor bearing (45), and
the end shield (43) is insertable into the pole housing (10).

30. (Previously presented) The electric drive unit of claim 43, wherein

the rotor (20) has an axial longitudinal axis (30), and

the end shield (43) for the rotor (20) is disposed, axially positionably, on the pole housing in order to adjust the longitudinal play of the armature.

31. (Previously presented) The electric drive unit of claim 30, wherein

the end shield (43) is secured to the pole housing (10) by adhesive bonding.

32. (Previously presented) The electric drive unit of claim 30, wherein

the end shield (43) is secured to the pole housing (10) by ultrasonic welding.

33. (Previously presented) The electric drive unit of claim 30, wherein

the end shield (43) is secured to the pole housing (10) by a heat treatment.

34. (Previously presented) The electric drive unit of claim 43, wherein

the shaft (28) is supported, oriented toward the gear housing (5), in an armature bearing (48) which is at least partly surrounded by the material of the pole housing (10).

35. (Previously presented) The electric drive unit of claim 19, wherein

the at least one magnet (32) is at least partly surrounded by the material of the pole housing (10).

36. (Currently amended) The electric drive unit of claim 35, wherein

the pole piece ~~short-circuit element~~ (36) forming a short circuit for the at least one magnet (32) is at least partly surrounded by the material of the pole housing (10).

37. (Currently amended) The electric drive unit of claim 35, wherein

the pole piece ~~short-circuit element~~ (36) comprises at least two shells.

38. (Currently amended) The electric drive unit of claim 36, wherein

the pole piece ~~short-circuit element~~ (36) is embodied in one piece.

39. (Currently amended) The electric drive unit of claim 19, wherein

the pole piece ~~short-circuit element~~ (36), comprising a mixture of plastic and magnetically conducted material, is at least partly surrounded by the material of the pole housing (10).

40. (Currently amended) The electric drive unit of claim 20, wherein

the at least one magnet (32) has a protrusion (60) that is surrounded by ~~the~~ plastic **which comprises** ~~comprising~~ the pole housing (10).

41. (Currently amended) The electric drive unit of claim 19, wherein

in the pole housing (10), the at least one magnet (32) is secured by engagement against a shoulder formed in the plastic of the pole housing (10) and by engagement with the **pole piece** ~~short-circuit element~~ (36) located radially outward.

42. (Currently amended) The electric drive unit of claim 19, wherein

in the pole housing (10), the **pole piece** ~~short-circuit element~~ (36) is secured by engagement against a shoulder formed in the plastic of the pole housing (10) and by engagement with the radially inner magnet (32).

43. (Currently amended) An electric drive unit (1), in particular for drives in a motor vehicle, including:

an electric motor (15), having a rotor (20) with a shaft (28) and a pole housing (10),

said pole housing (10) including at least one magnet (32), a pole piece ~~short-circuit element~~ (36), and an end shield (43) integrally containing a motor bearing (45) for the rotor (20),

a one- or multi-part gear housing (5), which is connected with the pole housing (10), said gear housing houses a worm gear

said pole housing (10) being in one piece ~~integral~~ with at least one part of said gear housing (5),

the drive unit characterized in that:

the end shield (43) is a part of the pole housing (10), and

the at least one magnet (32) rests in part directly against the pole housing (10) and is held at least in part directly by the pole housing (10).

44. (New) An electric drive unit (1), in particular for drives in a motor vehicle,
comprising

an electric motor (15), having a rotor (20) with a shaft (28) and a pole housing
(10),

said pole housing (10) including an end shield (43), a motor bearing (45) for
the rotor (20), and at least one magnet (32) and a pole piece (36), and

a one- or multi-part gear housing (5), said one- or multi-part gear housing
houses at least one gear,

said pole housing (10) being in one piece with at least one part of said gear
housing (5).

45. (New) An electric drive unit (1), in particular for drives in a motor vehicle,
comprising

an electric motor (15), having a rotor (20) with a shaft (28) and a pole housing
(10),

said pole housing (10) including an end shield (43), a motor bearing (45) for
the rotor (20), and at least one magnet (32) and a pole piece (36), and

a one- or multi-part gear housing (5),

said pole housing (10) being in one piece with at least one part of said gear
housing (5),

at least one of said at least one magnets or said pole piece being insert
molded in place within said pole housing.